



SPYWOLF

Security Audit Report



Completed on
November 28, 2022

MADE IN USA 

 @SPYWOLFNETWORK

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 SPYWOLF.CO



OVERVIEW

This audit has been prepared for **SPIN COIN** to review the main aspects of the project to help investors make an informative decision during their research process.

You will find a summarized review of the following key points:

- ✓ Contract's source code
- ✓ Owners' wallets
- ✓ Tokenomics
- ✓ Team transparency and goals
- ✓ Website's age, code, security and UX
- ✓ Whitepaper and roadmap
- ✓ Social media & online presence

“

The results of this audit are purely based on the team's evaluation and does not guarantee nor reflect the projects outcome and goal

- SPYWOLF Team -

”





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SPIN COIN



PROJECT DESCRIPTION

According to their whitepaper:

Spincoin is a tokenized game of roulette! Purchase of the token allows community members to have indirect exposure to one massive roulette spin a day – and one mega spin every Sunday! The community will vote on black or red in the Telegram chat till the poll is closed off every day at 5:30 PM EST. At 6PM EST the SPIN OF THE DAY will take place. ALL proceeds from the spin will go into buybacks until the next daily spin

Release Date: Presale starts in November 28, 2022

Category: Gamble



CONTRACT INFO

Token Name
SPINCOIN

Symbol
SPIN

Contract Address

0x2797C0505C69E9E714d1C0d8f3742ADCB88e0839

Network

Binance Smart Chain

Language

Solidity

Deployment Date

Nov-28-2022

Verified?

Yes

Total Supply

1,000,000,000,000,000

Status

Not launched

TAXES

Buy Tax

9%

Sell Tax

9%

*Taxes can be changed in future



Our Contract Review Process

The contract review process pays special attention to the following:

- ✓ Testing the smart contracts against both common and uncommon vulnerabilities
- ✓ Assessing the codebase to ensure compliance with current best practices and industry standards.
- ✓ Ensuring contract logic meets the specifications and intentions of the client.
- ✓ Cross referencing contract structure and implementation against similar smart contracts produced by industry leaders.
- ✓ Thorough line-by-line manual review of the entire codebase by industry experts.

Blockchain security tools used:

- OpenZeppelin
- Mythril
- Solidity Compiler
- Hardhat



CURRENT STATS

(As of November 28, 2022)



Liquidity

Not added yet



Burn

No burnt tokens

Status:
Not Launched!

MaxSellTxAmount
0.25% of total supply

DEX
PancakeSwap

LP Address(es)

Liquidity not added yet



TOKEN TRANSFERS STATS

Transfer Count	7
Uniq Senders	2
Uniq Receivers	3
Total Amount	1996124999999999.8 SPIN
Median Transfer Amount	1500000000000000 SPIN
Average Transfer Amount	285160714285714.25 SPIN
First transfer date	2022-11-28
Last transfer date	2022-11-28
Days token transferred	1

SMART CONTRACT STATS

Calls Count	25
External calls	6
Internal calls	19
Transactions count	12
Uniq Callers	4
Days contract called	1
Last transaction time	2022-11-28 04:00:21 UTC
Created	2022-11-28 00:51:44 UTC
Create TX	0x8f9b23fad5b5d5968766935acda7751c40a8a8b876481f33f45e83e936096827
Creator	0xc60403c13db5db2b698011815661687a40433218



FEATURED WALLETS

Owner address	0xc60403c13db5db2b698011815661687a40433218
Treasury wallet	0x674E77E5c06dE53990f6E244eA34acDF4Ce37fa4
Ops wallet	0x5d254A6127262E0e2D908118835dE21d7237167F
LP address	Liquidity not added yet

PRESALE STATS (Pinksale)

<https://www.pinksale.finance/launchpad/0xa1268754cF26FA5433e3D9165dD6080031Ea2982>

Total Supply	1,000,000,000,000,000 SPIN
Tokens For Presale	250,000,000,000,000 SPIN
Tokens For Liquidity	121,125,000,000,000 SPIN
Soft Cap	1 BNB
Presale Start Time	2022.11.28 15:00 (UTC)
Presale End Time	2022.12.01 23:00 (UTC)
Listing On	Pancakeswap
Liquidity Percent	51%
Liquidity Lockup Time	30 days after pool ends



VULNERABILITY CHECK

Design Logic	Passed
Compiler warnings.	Passed
Private user data leaks	Passed
Timestamp dependence	Passed
Integer overflow and underflow	Passed
Race conditions and reentrancy. Cross-function race conditions	Passed
Possible delays in data delivery	Passed
Oracle calls	Passed
Front running	Passed
DoS with Revert	Passed
DoS with block gas limit	Passed
Methods execution permissions	Passed
Economy model	Passed
Impact of the exchange rate on the logic	Passed
Malicious Event log	Passed
Scoping and declarations	Passed
Uninitialized storage pointers	Passed
Arithmetic accuracy	Passed
Cross-function race conditions	Passed
Safe Zeppelin module	Passed
Fallback function security	Passed



THREAT LEVELS

When performing smart contract audits, our specialists look for known vulnerabilities as well as logical and access control issues within the code. The exploitation of these issues by malicious actors may cause serious financial damage to projects that failed to get an audit in time. We categorize these vulnerabilities by the following levels:

High Risk

Issues on this level are critical to the smart contract's performance/functionality and should be fixed before moving to a live environment.

Medium Risk

Issues on this level are critical to the smart contract's performance/functionality and should be fixed before moving to a live environment.

Low Risk

Issues on this level are minor details and warning that can remain unfixed.

Informational

Information level is to offer suggestions for improvement of efficacy or security for features with a risk free factor.



FOUND THREATS

⚠ High Risk

Owner can blacklist address, making it impossible to sell.

```
function setBlacklisted(address[] memory accounts, bool exempt) external onlyOwner {  
    for (uint i = 0; i < accounts.length; i++) {  
        if((accounts[i] != _pancakeSwapV2Pair) && (accounts[i] != address(this)) &&  
            (accounts[i] != address(_pancakeSwapV2Router))) _isBlacklisted[accounts[i]] = exempt;  
    }  
}
```



Informational

Owner can set cooldown blocks up to 10 before each transaction.

```
function setCooldownBlocks(uint256 blocks) external onlyOwner {
    require(blocks <= 10, "Invalid blocks count.");
    _cooldownBlocks = blocks;
}
```

Owner can exclude address from fees and max transaction limit.

```
function setExcludedFromFees(address[] memory accounts, bool isEx) external onlyOwner {
    for (uint i = 0; i < accounts.length; i++) _isExcludedFromFees[accounts[i]] = isEx;
}

function setExcludeFromMaxTransaction(address[] memory accounts, bool isEx) external onlyOwner {
    for (uint i = 0; i < accounts.length; i++) _isExcludedMaxTransactionAmount[accounts[i]] = isEx;
}
```

Owner can set max sell transaction amount but cannot lower it than 0.1% of total supply.

```
function setMaxSellAmount(uint256 maxSell) external onlyOwner {
    require(maxSell >= (totalSupply().mul(1).div(1000)), "Max sell amount cannot be lower than 0.1% total supply.");
    maxSellAmount = maxSell;
    emit SetMaxSellAmount(maxSellAmount);
}

function _transfer(address from, address to, uint256 amount) override internal {
    .....
    if (to == _pancakeSwapV2Pair && from != address(_pancakeSwapV2Router) && !_isExcludedMaxTransactionAmount[from]) {
        require(amount <= maxSellAmount, "Transfer amount exceeds the maxSellAmount.");
        shouldSwap = true;
    }
    .....
}
```



Informational

Owner can withdraw any tokens from the contract, except of native ones.

```
function withdrawStuckBNB() external onlyOwner {
    bool success;
    (success,) = address(msg.sender).call{value: address(this).balance}("");
}

function withdrawStuckTokens(address tkn) external onlyOwner {
    require(tkn != address(this), "Cannot withdraw this token");
    require(IERC20(tkn).balanceOf(address(this)) > 0, "No tokens");
    uint amount = IERC20(tkn).balanceOf(address(this));
    IERC20(tkn).transfer(msg.sender, amount);
}
```

Owner can set buy/sell taxes up to 12,5%.
Combined buy+sell=25%.

```
function setBuyFee(uint256 newBuyTreasuryFee, uint256 newBuyOpsFee) external onlyOwner {
    require(newBuyTreasuryFee.add(newBuyOpsFee) <= 125, "Must keep buy taxes below 12.5%");
    buyTreasuryFee = newBuyTreasuryFee;
    buyOpsFee = newBuyOpsFee;
    emit SetBuyFee(buyTreasuryFee, buyOpsFee);
}

function setSellFee(uint256 newSellTreasuryFee, uint256 newSellOpsFee) external onlyOwner {
    require(newSellTreasuryFee.add(newSellOpsFee) <= 125, "Must keep sell taxes below 12.5%");
    sellTreasuryFee = newSellTreasuryFee;
    sellOpsFee = newSellOpsFee;
    emit SetSellFee(sellTreasuryFee, sellOpsFee);
}
```



RECOMMENDATIONS FOR

GOOD PRACTICES

1

Consider fundamental tradeoffs

2

Be attentive to blockchain properties

3

Ensure careful rollouts

4

Keep contracts simple

5

Stay up to date and track development

SPIN COIN

GOOD PRACTICES FOUND

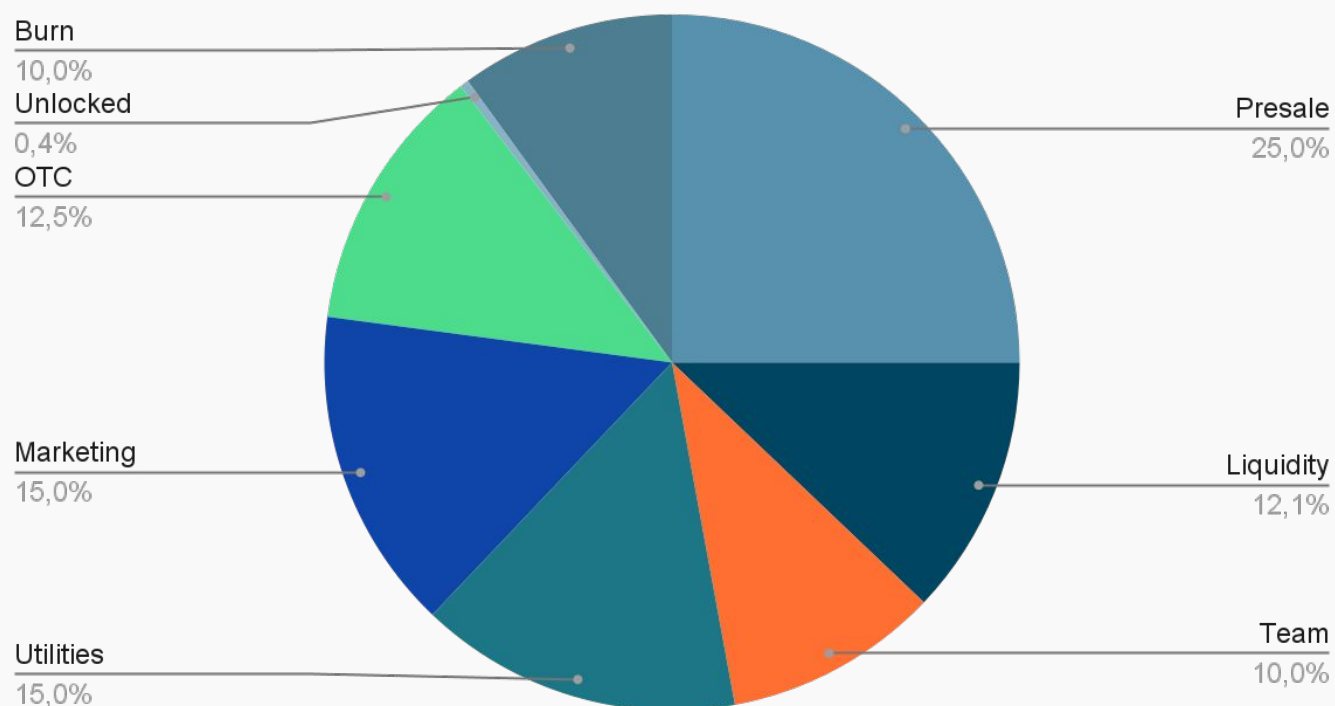
- ✓ The owner cannot mint new tokens after deployment
- ✓ The owner cannot set max transaction limit after trading open
- ✓ The smart contract utilizes "SafeMath" to prevent overflows



Initial tokens distribution according to Pinksale's presale page:

- 25% - Presale
- 12.1% - Liquidity
- 15% - Marketing
- 15% - Utilities
- 10% - Burn
- 12.5% - OTC
- 10% - Team
- 0.4% - Unlocked

Tokens distribution



TOKENOMICS



THE TEAM



The team has privately doxxed to PINKSALE

<https://pinksale.notion.site/Spincoin-KYC-Verification-28a8af5f23044fb8b2979da22c879321>

Home

Trending

#1 \$BHL

#2 \$DT

#3 \$FC

#4 \$XTS

#5 \$ST

#6 \$RPAY

#7 Chocolate

#8 \$FS

#9 \$HIBACUP

#10 \$GP

#11 \$WARZ

#12 \$DS

Launchpads

Private Sale

PinkLock

Airdrop

Leaderboard

Anti-Bot

Multi-Sender

Pools Alert

KYC & Audit

Docs

Telegram

Twitter

+ Create

BSC MAINNET

Connect

The Launchpad Protocol for Everyone!

PinkSale helps everyone to create their own tokens and token sales in few seconds.

Tokens created on PinkSale will be verified and published on explorer websites.

Create Now

Learn more

\$274.3M

Total Liquidity Raised

12147

Total Projects

1.2M

Total Participants

\$311.7M

Total Values Locked

PINKSALE

\$260.08

English

11

SPYWOLF.CO



Website URL

<https://www.spincoin.network/>

Domain Registry

<https://www.godaddy.com>

Domain Expiration

Expires on 2023-11-22

Technical SEO Test

Passed

Security Test

Passed. SSL certificate present

Design

Single page design, appropriate color scheme and graphics.

Content

The information helps new investors understand what the product does but there is not much information. No grammar mistakes found.

Whitepaper

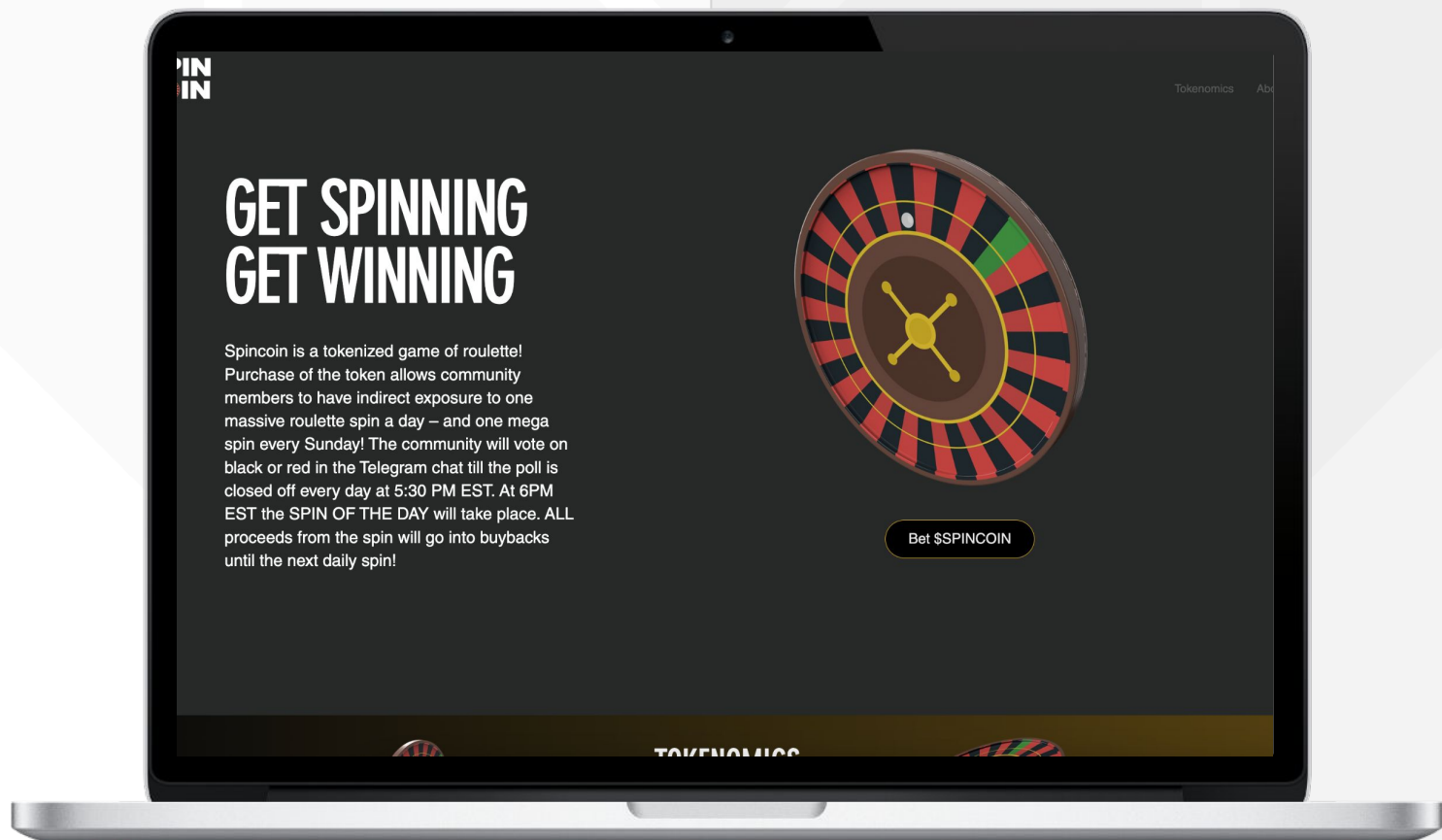
⚠ No whitepaper.

Roadmap

⚠ No.

Mobile-friendly?

Yes



spincoin.network

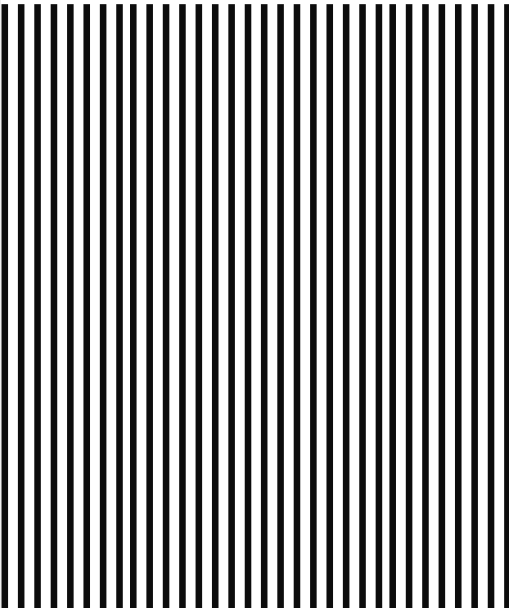


SOCIAL MEDIA & ONLINE PRESENCE



ANALYSIS

Project’s social media presence is concentrated in telegram group with active users



Twitter

@SpincoinBSC

- 11 followers ⚠️
- No posts ⚠️



Discord

- Not available



Telegram

@SpincoinEntry

- 233 members
- Active members
- Active mod



Medium

- Not available



SPYWOLF

CRYPTO SECURITY

Audits | KYCs | dApps
Contract Development

ABOUT US

We are a growing crypto security agency offering audits, KYCs and consulting services for some of the top names in the crypto industry.

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Disclaimer

This report shows findings based on our limited project analysis, following good industry practice from the date of this report, in relation to cybersecurity vulnerabilities and issues in the framework and algorithms based on smart contracts, overall social media and website presence and team transparency details of which are set out in this report. In order to get a full view of our analysis, it is crucial for you to read the full report.

While we have done our best in conducting our analysis and producing this report, it is important to note that you should not rely on this report and cannot claim against us on the basis of what it says or doesn't say, or how we produced it, and it is important for you to conduct your own independent investigations before making any decisions. We go into more detail on this in the disclaimer below – please make sure to read it in full.

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No applications were reviewed for security. No product code has been reviewed.